

Patent Abstracts of Japa

PUBLICATION NUMBER : 60007340
PUBLICATION DATE : 16-01-85

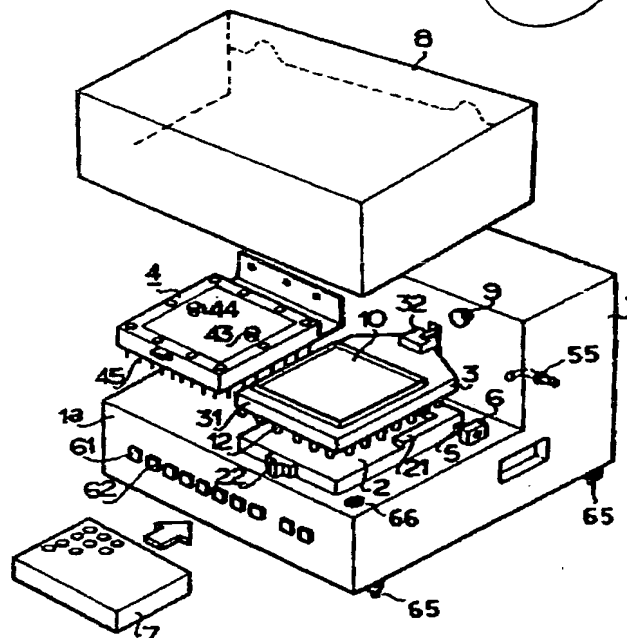
APPLICATION DATE : 27-06-83
APPLICATION NUMBER : 58114358

APPLICANT : DENKI KAGAKU KEIKI CO LTD;

INVENTOR : ONISHI MASAO;

INT.CL. : G01N 1/00 B01L 3/02

TITLE : AUTOMATIC PIPETTING APPARATUS
FOR MICROPLATE



ABSTRACT : PURPOSE: To make it possible to perform simultaneous separate pickup and simultaneous separate injection accurately in a short time, regardless of a small size, by arranging a solution pickup plate and a solution injecting member over a guide plate, which can be moved right and left within its moving range.

CONSTITUTION: A guide plate 2 is coupled with a guide shaft 5 of a base table 1 so that the plate can be moved right and left. Over the plate 2, a pickup plate 3, on which sucking chips 12 are provided within the moving range, and an injection member 4, to which liquid injection nozzles 45 are attached, are arranged. In this constitution, a microplate 7 is mounted on the guide plate 2, and the pickup plate 3 is lowered. Then a constant quality of solution is picked up separately and simultaneously by the sucking chips 12. Then the plate 2 is moved to the left, and the same amount of solution is separately injected by the liquid injecting nozzles 45. Therefore, the simultaneous separate pickup and the simultaneous separate injection can be performed accurately in a short time regardless of the small size.

COPYRIGHT: (C)1985,JPO&Japio